INDEX TO VOLUME 40

Arthropods other than Insects

Dermanyssus hirsutus, new name for *D. scutatus* Ewing; W. W. Moss and F. J. Radovsky, 277
Feather mites, two new genera with polymorphic males; W. T. Atyeo, 465
Fuscuropoda vegetans and *Machrocheles muscaedomesticae*, predation on eggs of little house fly, *Fannia canicularis*; A. E. O'Donnell and E. L. Nelson, 441
Gigantolaelaps, two new species, key to females; D. Lee and R. W. Strandtmann, 25
Laminalloptes, the feather mite genus; W. T. Atyeo and P. C. Peterson, 447
Liacaridae, North American. I. *Adoristes* and a related new genus; T. A. Woolley, 270
Monojoubertia, four new species from one species of bird; W. T. Atyeo, 458
Oribatellid mites, a new genus and species from Colorado; T. A. Woolley, 32
Recovery of spider venom, a new technique; R. H. Grothaus and D. E. Howell, 37
Spider parasites, notes and a reference list; R. R. Eason, W. B. Peck, and W. H. Whitcomb, 422
Spiders associated with fall webworm; L. O. Warren, W. B. Peck, and M. Tadić, 382
Tetranychoid mites, three new species from Missouri; S. E. Thewke, 583

Coleoptera

Cerambycidae, lectotype designations in British Museum (Nat. Hist.); J. A. Chemsak, 73
Cerambycidae, lectotype designations in Muséum d'Histoire Naturelle, Paris; J. A. Chemsak, 81
Derovatellus, a new species from Peru; P. J. Spangler, 142
Lema, biology of three species, larval descriptions and key to U.S. species; D. L. Kaufmann, 361
Northern corn rootworm, host range of larvae; T. F. Branson and E. E. Ortman, 412
Pseudoperiboeum and *Conosphaerion*, notes on genera; J. A. Chemsak and E. G. Linsley, 285
Sexual behavior in blister beetles, II. *Linsleya convexa*; R. B. Selander and J. D. Pinto, 396
Sitophilus, taxonomic separation of larvae by head capsule morphology; P. D. Hunkapiller and A. E. O'Donnell, 435
See also: *Campsomeris* (Hymen.)

Diptera

Chironomidae, type specimens in Canadian National Collection, Ottawa; J. E. Sublette, 290
Chironomidae, type specimens in Cornell University Collection; J. E. Sublette, 477
Chloropidae, two new and economically significant species and a new genus; C. W. Sabrosky, 151
Crane flies, new species from tropical America, III; C. P. Alexander, 373
Culicoides riggsi, redescription, and notes on *C. bickleyi* in Oklahoma; W. R. Atchley and W. W. Wirth, 209
Culicoides, seasonal incidence and population densities in coastal areas of Louisiana; K. T. Khalaf, 472
Muscoidean diptera, new nearctic and neotropical; H. J. Reinhard, 94
Parataracticus, new species and a key; J. Wilcox, 13
Promachus, Mexican species in subgenus *Amblyonychus* (= *Promachina*); C. H. Martin, 156
Stylogaster, notes on neotropical; S. Camras, 4

INDEX TO VOLUME 40

Arthropods other than Insects

Dermanyssus hirsutus, new name for *D. scutatus* Ewing; W. W. Moss and F. J. Radovsky, 277
Feather mites, two new genera with polymorphic males; W. T. Atyeo, 465
Fuscuropoda vegetans and *Machrocheles muscaedomesticae*, predation on eggs of little house fly, *Fannia canicularis*; A. E. O'Donnell and E. L. Nelson, 441
Gigantolaelaps, two new species, key to females; D. Lee and R. W. Strandtmann, 25
Laminalloptes, the feather mite genus; W. T. Atyeo and P. C. Peterson, 447
Liacaridae, North American. I. *Adoristes* and a related new genus; T. A. Woolley, 270
Monojoubertia, four new species from one species of bird; W. T. Atyeo, 458
Oribatellid mites, a new genus and species from Colorado; T. A. Woolley, 32
Recovery of spider venom, a new technique; R. H. Grothaus and D. E. Howell, 37
Spider parasites, notes and a reference list; R. R. Eason, W. B. Peck, and W. H. Whitcomb, 422
Spiders associated with fall webworm; L. O. Warren, W. B. Peck, and M. Tadić, 382
Tetranychoid mites, three new species from Missouri; S. E. Thewke, 583

Coleoptera

Cerambycidae, lectotype designations in British Museum (Nat. Hist.); J. A. Chemsak, 73
Cerambycidae, lectotype designations in Muséum d'Histoire Naturelle, Paris; J. A. Chemsak, 81
Derovatellus, a new species from Peru; P. J. Spangler, 142
Lema, biology of three species, larval descriptions and key to U.S. species; D. L. Kaufmann, 361
Northern corn rootworm, host range of larvae; T. F. Branson and E. E. Ortman, 412
Pseudoperiboeum and *Conosphaerion*, notes on genera; J. A. Chemsak and E. G. Linsley, 285
Sexual behavior in blister beetles, II. *Linsleya convexa*; R. B. Selander and J. D. Pinto, 396
Sitophilus, taxonomic separation of larvae by head capsule morphology; P. D. Hunkapiller and A. E. O'Donnell, 435
See also: *Campsomeris* (Hymen.)

Diptera

Chironomidae, type specimens in Canadian National Collection, Ottawa; J. E. Sublette, 290
Chironomidae, type specimens in Cornell University Collection; J. E. Sublette, 477
Chloropidae, two new and economically significant species and a new genus; C. W. Sabrosky, 151
Crane flies, new species from tropical America, III; C. P. Alexander, 373
Culicoides riggsi, redescription, and notes on *C. bickleyi* in Oklahoma; W. R. Atchley and W. W. Wirth, 209
Culicoides, seasonal incidence and population densities in coastal areas of Louisiana; K. T. Khalaf, 472
Muscoidean diptera, new nearctic and neotropical; H. J. Reinhard, 94
Parataracticus, new species and a key; J. Wilcox, 13
Promachus, Mexican species in subgenus *Amblyonychus* (= *Promachina*); C. H. Martin, 156
Stylogaster, notes on neotropical; S. Camras, 4

Tachinidae, change of names; H. J. Reinhard, 600
See also: Spider parasites (Arthropoda)

Hemiptera and Homoptera

Athysanella attenuata and a closely related new species from Kansas; H. D. Blocker, 576
Erythroneura, new species related to *E. dira*; L. W. Hepner, 17
Heterocordylus, North American, and a new species; J. C. Schaffner, 579
Lethocerus indicum, morphology, musculature, innervation, of reproductive organs; S. Bhargava, 111
Schizaphis graminum, effects of high temperatures on reproduction; N. E. Daniels, 133
Schizaphis graminum, survival under varied air pressures; N. E. Daniels, 356
Spanogonicus albofasciatus, stages and development; M. S. Musa and G. D. Butler, Jr., 596
Theogonis occidentalis, occurrence in midwestern U.S.; J. C. Schaffner, 141

Hymenoptera

Anthidium, an adventive, from New York State; E. R. Jaycox, 124
Anthidium banningense, territorial behavior among males; E. R. Jaycox, 565
Campsomeris plumipes confluenta preying on gold beetle, *Cotalpa lanigera*, in Kansas; F. E. Kurczewski, 208
Chilicola ashmeadi biology in Costa Rica; G. C. Eickwort, 42
Crop pollination and flower relationships of wild bees of Ludhiana, India; S. W. T. Batra, 164
Doryline army ants, laboratory studies on interspecies trail following, preference; J. F. Watkins II, T. W. Cole, and R. S. Baldridge, 146
Hedychridium fletcheri, probable parasite of *Tachysphex similis*; F. E. Kurczewski, 278
Hoplitis cylindrica in trap nests in Wisconsin; J. T. Medler, 137
Lasioglossum coeruleum, notes on biology of blue sweat bee; K. A. Stockhammer, 177
Nitelopterus, behavior of ground nesting wasps of genus, particularly *N. californicus*; J. A. Powell, 331
Pseudaugochloropsis, nests and social behavior of three species; C. D. Michener and W. B. Kerfoot, 214
Pseudaugochloropsis nigerrima, status in Costa Rica; G. C. Eickwort, 232
Solierella inermis, nesting behavior; F. E. Kurczewski, 203
Sphecodogastra texana, nest architecture and associated behavior of nocturnal bee; W. B. Kerfoot, 84
Veromessor lobognathus; fourth note; G. C. Wheeler and J. Wheeler, 238
See also: Spider parasites (Arthropoda)

Lepidoptera

Choristoneura houstana, distribution of eggs and leaf mines on eastern red cedar; E. A. Heinrichs, 353
European corn borer, daily weight gain on artificial media; S. C. Conway and J. A. Harding, 1
Hyphantrea cunea, fall webworm, distribution and natural enemies: a world list; L. O. Warren and M. Tadić, 194

Mallophaga

Ardeicola, review of North American; D. W. Tuff, 241
Colpocephalum, a new species from the kea; R. D. Price, 9
Feather lice, method for collecting; D. B. Crockett, 192
Suricatoecus, new species from Congo; K. C. Emerson and R. D. Price, 608

Mecoptera

Panorpidae, synonymy; G. W. Byers, 571

Orthoptera

Cockroach egg capsules, structural features, V. *Lamproblatta albipalpus*; F. A. Lawson, 601

Parcoblatta, ecological and collecting notes on eight species, and on other cockroaches; F. A. Lawson, 267

Plecoptera

Capniidae, geographic and seasonal distribution in western North America; A. V. Nebeker and A. R. Gaufin, 415

Stream type selection and associations of stoneflies in a Colorado River drainage system; A. W. Knight and A. R. Gaufin, 347

Siphonaptera

Nearctopsylla martyoungi, description of female, notes on male; C. M. Senger, 190

Trichoptera

Polycentropus, new species from Central America; T. Yamamoto, 127

Ecology, Control, Morphology, Techniques

See: *Lethocerus* (Hemip.); Cockroach egg capsules (Orthop.); Recovery spider venom (Arthropoda)

Book Reviews, 264, 444 **Obituary** (J. G. T. Chillcott), 610

Index to Authors

Alexander, C. P., 373
Atchley, W. R., 209, 264
Atyeo, W. T., 447, 458, 465
Baldridge, R. S., 146
Batra, S. W. T., 164
Bhargava, S., 111
Blocker, H. D., 576
Branson, T. F., 412
Butler, G. D., Jr., 596
Byers, G. W., 571
Camras, S., 4
Chemsak, J. A., 73, 81, 285
Cole, T. W., 146
Conway, S. C., 1
Crockett, D. B., 192
Daniels, N. E., 133, 356
Eason, R. R., 422
Eickwort, G. C., 42, 232
Emerson, K. C., 608
Gaufin, A. R., 347, 415
Grothaus, R. H., 37
Harding, J. A., 1
Heinrichs, E. A., 353
Hepner, L. W., 17
Howell, D. E., 37
Hunkapiller, P. D., 435
Jaycox, E. R., 124, 565
Kaufmann, D. L., 361
Kerfoot, W. B., 84, 214
Khalaf, K. T., 472
Knight, A. W., 347
Kurczewski, F. E., 203, 208, 278
Janzen, D. H., 444
Lawson, F. A., 267, 601
Lee, D., 25
Linsley, E. G., 285
Martin, C. H., 156
Medler, J. T., 137
Michener, C. D., 214
Moss, W. W., 277
Musa, M. S., 596
Nebeker, A. V., 415
Nelson, E. L., 441
O'Donnell, A. E., 435, 441
Ortman, E. E., 412
Peck, W. B., 382, 422
Pinto, J. D., 396
Powell, J. A., 331
Price, R. D., 9, 608
Radovsky, F. J., 277
Reinhard, H. J., 94, 600
Sabrosky, C. W., 151
Schaffner, J. C., 141, 579
Selander, R. B., 396
Senger, C. M., 190
Spangler, P. J., 142
Stockhammer, K. A., 177
Strandtmann, R. W., 25
Sublette, J. E., 290, 477
Tadić, M., 194, 382
Thewke, S. E., 583
Tuff, D. W., 241
Warren, L. O., 194, 382
Watkins, J. F. II, 146
Wheeler, G. C., 238
Wheeler, J., 238
Whitcomb, W. H., 422
Wilcox, J., 13
Wirth, W. W., 209
Woolley, T. A., 32, 270
Yamamoto, T., 127